

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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|------------------|---|---|----------------------|
| Patent Number | : | 7,070,790 | Group Art Unit: 1648 |
| Name of Patentee | : | Bukh et al. | |
| Title | : | NUCLEOTIDE AND DEDUCED AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND CORE GENES OF ISOLATES OF HEPATITIS C VIRUS AND THE USE OF REAGENTS DERIVED FROM THESE SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES | |
| Issued | : | July 4, 2006 | |

**REQUEST TO
"MAKE OF RECORD" NOTED ERRORS**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Errors by the Patent and Trademark Office have been noted in the recently issued above-identified Letters Patent as follows:

SEE ATTACHED .

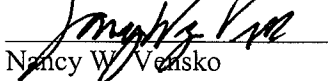
Since these are inconsequential errors, a Certificate of Correction is not needed, but it is requested that this Letter be made of record by being included in the patent file.

Please charge any fees to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 4/3/07

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Issued Patent Proofing Form

File#: NIH240.1CPDV1

US Serial No.: 09/084,691

US Patent No.: US 7,070,790 B1

Issue Date: Jul. 4, 2006

Title: NUCLEOTIDE AND DEDUCED AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND CORE GENES OF ISOLATES OF HEPATITIS C VIRUS AND THE USE OF REAGENTS DERIVED FROM THESE SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES

PR Instructions: Whole Patent

| Sr. No. | Original | | Issued Patent | | Description of Error |
|---------|---|--|---|------|---|
| | Page | Line | Column | Line | |
| 1 | Page 1 Issue Fee Payment Recorded (11/07/2005) | 1 (Assignee) | First Page Col. 1 (Assignee) | 1 | After "The" insert - - Government of the - -. |
| 2 | Page 1 Issue Fee Payment Recorded (11/07/2005) | 1 (Assignee) | First Page Col. 1 (Assignee) | 1 | After "America" insert - - , - -. |
| 3 | Page 1 Issue Fee Payment Recorded (11/07/2005) | 2 (Assignee) | First Page Col. 1 (Assignee) | 2 | After "the" insert - - Secretary, - -. |
| 4 | Page 1 of 2 List of references cited by examiner (05/18/2004) | Entry 2 Line 1 (Non-Patent Documents) | Page 2 Col. 1 (Other Publications) | 1 | Delete "On-line" and insert - - Online - -, therefor. |
| 5 | Page 1 of 2 List of references cited by examiner (05/18/2004) | Entry 3 Line 1 (Non-Patent Documents) | Page 2 Col. 1 (Other Publications) | 3 | After "vol. 31" insert - - , - -. |
| 6 | Page 1 of 2 List of references cited by examiner (05/18/2004) | Entry 4 Line 1 (Non-Patent Documents) | Page 2 Col. 1 (Other Publications) | 5 | Delete "Birology," and insert - - Virology, - -, therefor. |
| 7 | Page 1 of 2 List of references cited by examiner (05/18/2004) | Entry 4 Line 1 (Non-Patent Documents) | Page 2 Col. 1 (Other Publications) | 5 | After "vol. 68" insert - - , - -. |
| 8 | Sheet 1 of 10 List of References cited by applicant and considered by examiner (05/18/2004) | Entry 3 Line 1 (Other Documents) | Page 2 Col. 1 (Other Publications) | 21 | Delete "hepitis" and insert - - hepatitis - -, therefor. |
| 9 | Sheet 7 of 10 List of References cited by applicant and considered by examiner (05/18/2004) | Entry 2 Line 1 (Other Documents) | Page 2 Col. 2 (Other Publications) | 39 | Delete "Biochem," and insert - - Biochem., - -, therefor. |
| 10 | Page 5 Specification (05/26/1998) | 2 | 3 | 10 | Delete "T.-A" and insert - - T. A - -, therefor. |

| | | | | | | |
|----|--|---|-----------------|---------|-----------------|--|
| 11 | | Page 12 Specification (05/26/1998) | 27 | 7 | 14 | Delete "I/Ia." and insert -- I/1a. --, therefor. |
| 12 | | Page 31 Specification (05/26/1998) | 29 (Approx.) | 17 | 14 | Delete "cain" and insert -- chain --, therefor. |
| 13 | | Page 33 Specification (05/26/1998) | 29 (Approx.) | 18 | 19 | After "NY" delete "N.Y.,". |
| 14 | | Page 41 Specification (05/26/1998) | 3 | 22 | 12 (Approx.) | After "143" insert --) --. |
| 15 | | Page 63 Specification (05/26/1998) | 10 | 34 | 30 | Delete "DATP" and insert -- dATP --, therefor. |
| 16 | | Page 63 Specification (05/26/1998) | 11 | 34 | 31 | Delete "DATP" and insert -- dATP --, therefor. |
| 17 | | Page 71 Specification (05/26/1998) | 3 (Approx.) | 39 | 10 (Approx.) | After "(C)" insert -- . --. |
| 18 | | Page 75 Specification (05/26/1998) | 25 (Approx.) | 41 | 36 | Delete "et al" and insert -- et al. --, therefor. |
| 19 | | Page 76 Specification (05/26/1998) | 7 | 41 | 55 | Before "SEQ ID NO: 1" delete "(eg" and insert -- (e.g. --, therefor. |
| 20 | | Page 76 Specification (05/26/1998) | 7 | 41 | 55 | After "protein" delete "(eg" and insert -- (e.g. --, therefor. |
| 21 | | Page 76 Specification (05/26/1998) | 8 | 41 | 56 | Delete "(eg" and insert -- (e.g. --, therefor. |
| 22 | | Page 76 Specification (05/26/1998) | 24 | 42 | 4 | Delete "10" and insert -- 10% --, therefor. |
| 23 | | Page 179 CRF Sequence Listing Filed (08/30/2001) | 8 | 273-274 | 54 | After ""Ser"" insert -- or --. |

OBSERVATION

In the **Reference File, Specification (05/26/1998)**, at following lines Bracket ")" has been closed but there is no opening Bracket in its support:

- Page 17, line 30 after "8238" (IP col. 9, line 63)
- Page 38, line 25 (Approx.) after "4a" (IP col. 20, line 65)
- Page 52, line 1 after "1261" (IP col. 28, line 15)

Similarly in following places Bracket has been started but there is no closing bracket in its support:

- Page 50, line 25 before "**Kafatos**," (IP col. 27, line 34)
- Page 62, line 18 before "**Bukh**," (IP col. 34, line 2)
- Page 69, line 1 before "**Nei**," (IP col. 38, line 2)
- Page 72, line 29 before "**Rice**" (IP col. 40, line 1)
- Page 74, line 28 before "**Sällberg**," (IP col. 40, line 60)

and same has been incorporated in the **Issued Patent**.